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(54) Title: 1-ALKYL-3-AMINOINDAZOLES

(57) Abstract: Methods of making 1-alkylindazoles are described. The methods involve reacting a 2-alkylaminobenzonitrile with a nitrosating agent followed by reduction-cyclization of the resulting nitrosamine to form a 1-alkyl-3-aminoindazole. The 1-alkyl-3-aminoindazole can be deaminated to form a 1-alkylindazole which ultimately can be used to form desired indazoles which are preferably pharmaceutically active products. The process of the present invention further permits the formation of enantiomerically enriched or pure indazoles such as aminoalkyl indazoles.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 231/56

US CL : 548/360.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 548/360.1

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, STN CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/30548 A (YAMANOUCHI PHARMACEUTICAL CO., LTD.) 16 July 1998 (16.07.1998) entire document	1-6

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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